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282

Mingin, W.E., Engineer, and S.M. Shul'kin. Possibility of
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AVAILABLE: Library of Congress

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7-25-60

SEREBRIYSKIY, E.I., inzh.; POLIN, I.V., kand.tekhn.nauk

Investigating the technology of stainless steel smetling in vacuum furnaces. Metallurgiia 2:3-22 159. (MIRA 14:3)

(Steel, Stainless-Electrometallurgy)

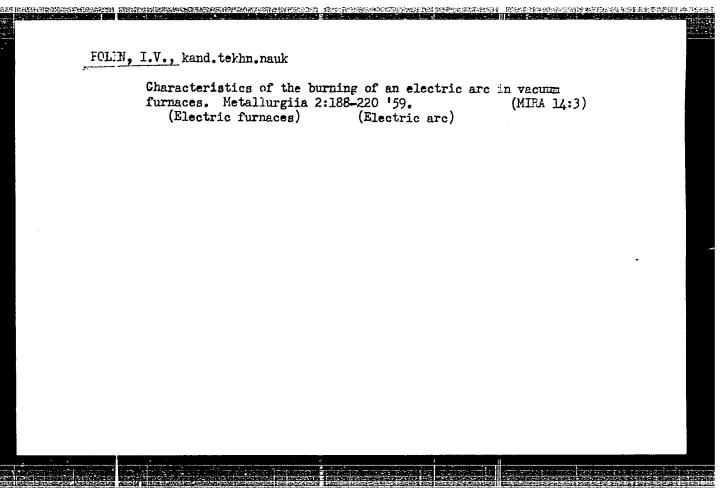
(Vacuum metallurgy)

SERSBRIYSKIY, E.I., inzh.; POLIN, I.V., kand.tekhn.nauk

Developing optima conditions of stainless steel smelting in vacuum furnaces, Metallurgia 2:22-32 159. (MIRA 14:3)

(Steel, Stainless—Electrometallurgy)

(Vacuum metallurgy)



POLIN, I.V., kand.tekhn.nauk; KOZLOVICH, Yu.I., inzh.

Technology of the manufacture and melting of a compressed consumable electrode for the making of titanium. Metallurgiia 2:221-235 159.

(MIRA 14:3)

(Electrodes)

POLIN, I.V., kand.tekhn.nauk; URT'YEV, V.P., inzh.

Technology of making titanium in vacuum furnaces. Metallurgiia
2:236-250 '59. (MIRA 14:3)

(Titanium—Electrometallurgy)

(Vacuum metallurgy)

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	A COLOR OF THE CASE OF THE SECOND SEC	Cont 6/p	Char. G. [Polish People's Aspablic, Institute of Iron Metallurgy in Olisical Desarburisation of Ferrockrose in Tenum.	Represent Gas. Yaouse-Tharmir Reduction of Oxides of the Refractory Metals by Carbon [O.Te. Krayn, G.Y. Sameonore, Ta.M. Lipkes, G.L. Zerreva and others of the Department of Metallingy of Rare Metals of the Nonkowskiy and Institut twestayth metallor 1 moleta (Nonco Institute of Monterous Metals and Gold) conducted investigations on which this writing in [and]	Gal'd, P.V., and G.P. Sreykin. Simetics of the Saduction of Michina Pentoxide by Carbon in Vacuum	PART III. INCOCTION PROCESSES IN VACUUM	Sorbita, P. Is. Production of Low-Carbon Perrochrome by Blowing Under	ANDIANA Properties of Alloys Melted in Vacuum	Polin L. L. rend R.I. Sarebrirskir Welting of Steinless Steel in Yeoung	the Properties of Ball-Bearing Steel Reselted in a Vacuum Are Parace Johnson L.V. Vacuum Are Malting	Belief. S.L., D.S. Lariengta, A.A. Trarys, and A.S. Sheyn. Investigation of	Stroyer, A.S., D.S., Endstably, A.M. Irancy, and B.Y. Pedin. Malting of Re- Mirestory Medals in Vaccous its Furnaces	PART II. MELITHG OF STEEL AND ALLOYS IN VACUUM AND FURNACES	filippychera. M.M. The Effect of Tacumy Melting on the Quality of 16thWy.	Lincherskiy, B.T., and A.M. Samarin. Vacuum Melting of Stainless Steel	Samanda, Fu.A., L.V. Bubler, F.I. Parcy, and Tu.A. Zilin. The Effect of Maling and Casting in Facuma and in Protestive Atmosphere on the Properties of Titanium Castings	Hothendai, Te.4., and M.A. Bertagor. Casting of Oride-Pile-Forming illoys in the Protective Almosphere Under Terms	Index_about the management of the partial and fourity of Blokel-Beach Alloys in forcess [v. L. Eablan 8.7. Leablo, V.A. Ashaha, A.P. Balashov and V.V. Muhim participated in the work]	ef Contests. Three articles have been translated from English, Some of Church II. Vi largers and I S. Ballow Walter and Benefit a	maces, and vacuum are furnaces, retuniton processes in vacuum, and deparing of feed and ealings. The functioning of operatum and equipment, separally for the function of the	ment. COTFILIGH: The book contains information on steel mailting in vectom industion	FUNCIS: This collection of articles is intended for technical personnel interested in recent studies and developments of vacuum steelmaint practice and optimize	Resp. Ed.: A.M. Semerin, Corresponding Newber, Academy of Sciences USSR; Ed. of Publishing House: G.M. Mahovshity; Tech. Ed.: S.G. Markovich.	Sponsoring agency: Akademiya neuk MSSR. Institut metallurgii isani a.a. Baykora Komissiya po fisiko-khimitokeskim omovam proirrodsiva siaki.	Primenentys valummes v setallurgii (Ges of Vacuum in Metallurgy) Moscov, Isd-vo all SSSE, 1940. 334 p. Errate slip inserted. 4,500 copies printed.	* Akademiya mank SSSR. Komissiya po fisiko-khimidheskim osnovam proisvodstva stali	PRASE I BOOK EXPLOITATION 50V/4548	•		
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POLIN, I.V.

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- Moroz, Lev Solomonovich, Doctor of Technical Sciences, Professor; Boris Borisovich Chechulin, Ivan Vasil'yevich Polin, Leonid Vladimirovich Butalov, Saveliy Moiseyevich Shul'kin, and Aleksandr Petrovich Goryachev
- Titan i yego splavy, tom 1: Tekhnicheski chistyy titan (Titanium and Its Alloys, Vol. 1: Commercially Pure Titanium) Leningrad, Sudpromgiz, 1960. 515 p. Errata slip inserted. 4,200 copies printed.
- Ed. (Title page): L.S. Moroz; Ed. (Inside book): Z.V. Vlasova; Tech. Ed.: N.V. Elastova.
- PURPNSE: This book is intended for scientific workers, plant engineers, and students in advanced courses in schools of higher technical education and tekhnikums. It may also be used as a manual for designers and industrial engineers (with the exception of mechanical engineers).
- COVERAGE: The book presents data on the structure, phase transformation, and physicochemical and processing properties of commercially pure titanium.

card I/6-

Titanium and Its Alloys (Cont.)

SOV/4573

Shape-casting, vacuum metallurgy, plastic deformation, welding, and soldering and brazing processes for titanium are discussed. Special attention is given to problems of constructional strength and to titanium reduction processes.

L.S. Moroz wrote section 1 of Chapter 1, Chapter 2, and sections 1, 4, and 6 of Chapter 3. B.B. Chechulin wrote sections 2-6 of Chapter 1, sections 2, 3, and 5 of Chapter 3, and Chapters 4 and 9. I.V. Polin wrote Chapter 5;

L.V. Butalov, Chapter 6; S.M. Shul'kin, Chapter 7; and A.P. Goryachev, Chapter 8. The authors thank A.V. Smirnov for his advice, and I.A. Bytenskiy for assistance in editing the manuscript. References accompany each chapter.

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117 POLIY, IV SOV/5411 PHASE I BOOK EXPLOITATION Konferentsiya po fiziko-khimicheskim osnovam proizvodstva stali. 5th, Moscow. 1959. Fiziko-khimicheskiye osnovy proizvodstva stali; trudy konferentsii (Physicochemical Bases of Steel Making; Transactions of the Fifth Conference on the Physicochemical Bases of Steelmaking) Moscow, Metallurgizdat, 1961. 512 p. Errata slip inserted. 3,700 copies printed. Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni Responsible Ed.: A.M. Samarin, Corresponding Member, Academy A. A. Baykova. of Sciences USSR; Ed. of Publishing House: Ya. D. Rozentsveyg. Tech. Ed.: V. V. Mikhaylova. Card 1/16

112 SOV /5411 Physicochemical Bases of (Cont.) PURPOSE: This collection of articles is intended for engineers and technicians of metallurgical and machine-building plants, senior students of schools of higher education, staff members of design bureaus and planning institutes, and scientific research workers. COVERAGE: The collection contains reports presented at the fifth annual convention devoted to the review of the physicochemical bases of the steelmaking process. These reports deal with problems of the mechanism and kinetics of reactions taking place in the molten metal in steelmaking furnaces. The following are also discussed: problems involved in the production of alloyed steel, the structure of the ingot, the mechanism of solidification, and the converter steelmaking process. The articles contain conclusions drawn from the results of experimental studies, and are accompanied by references of which most are Soviet. Card 2/16

ACC NR: AP6031729 SOURCE CODE: UR/0136/66/000/009/0078/0080
AUTHOR: Polin, I. V.; Maksimov, V. M.; Darmogray, V. V.
ORG: none
TITLE: Results of experiments on deoxidation of titanium
SOURCE: Tsvetnyye metally, no. 9, 1966, 78-80
TOPIC TAGS: titanium alloy, titanium zirconium alloy, titanium gadolinaum alloy, titanium yttrium alloy, titanium deoxidation, metal property, CXYGEN, ZIRCONIUM (CONTAINING ALLOY, ALLOY COMPOSITION)
ABSTRACT: The possibility of lowering the oxygen content in vacuum arcmelted titanium by alloying with zirconium, gadolinium or yttrium has been investigated. Commercial-grade titanium with addition of the above alloying elements was double melted in a vacuum of 0.012—0.1 mm Hg into 5 kg ingots 130 mm in diameter. It was found that zirconium lowers considerably the oxygen content. For instance, while unalloyed commercial-grade titanium contained 0.102% oxygen, an alloy with 1.5—2.5% Zr consained only 0.055—0.075% oxygen. Results of experiments with yttrium and gadolinium were inconclusive due to the
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L 42058-66 EWP(m)/1SOURCE CODE: UR/0276/65/000/011/G017/G017 ACC NR: AR6013856 (A,N)AUTHORS: Volokhonskiy, L. A.; Novitskiy, G. S.; Polin, I. V. TITLE: Heat produced by an electrode used in an electric vacuum arc furnace with a lining SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 11G1h0 REF SOURCE: Tr. Vses. n. . in-ta elektroterm. oborud. vyp. 1, 1965, 77-88 TOPIC TAGS: vacuum arc furnace, electrode, heat, heat balance, ELECTRODE PROPERTY ABSTRACT: Formulas for calculating temperature fields of a working electrode have been derived in the course of this work and were verified experimentally. It was shown that the distribution of temperatures along the cross section of an electrode may be considered uniform through the entire period of melting. During the lining melting, the axial temperature field changes only insignificantly. The established heat regime is reached over a long period of time. It would be proper to heat the

electrods to increase the speed of its melting. The formulas derived may be used to calculate the heat balance during melting in the lining. Il illustrations.

Bibliography of 4 titles. Translation of abstract/

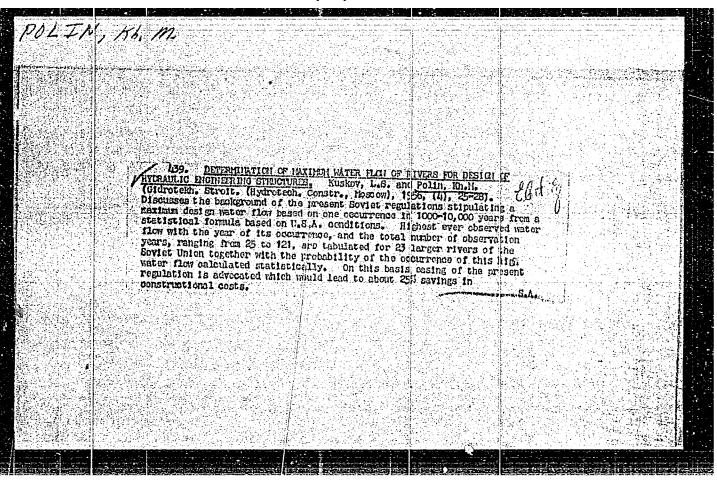
SUB CODE: 13

Card 1/1 af

UDC: 621.365.2:65.047.2.036.61

POLIN, Kh. M. "The principles of transport classification of river stretches," In the symposium: Materialy tekhn. soveshchaniy po putevym rabotam (N-vo rech. flota SSSR), Mcscow, 19h9, p. 112-126

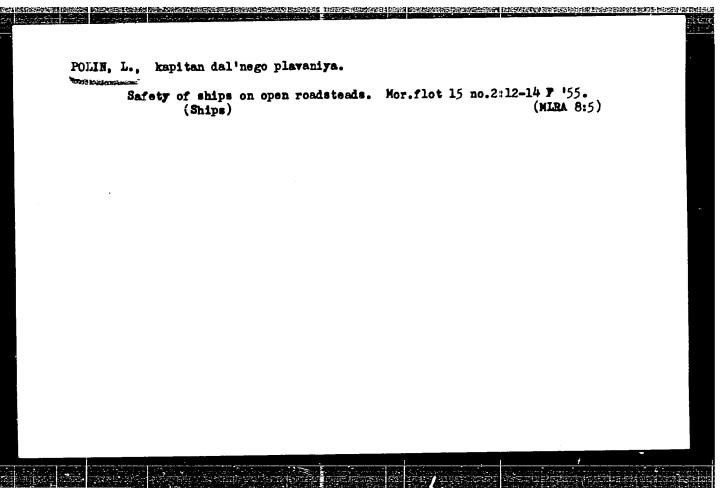
SO: U-52LO, 17Dec53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 19h9).



HUSKOV, Lev Sergeyevich; BOGDANOV, A.T., retsenzent; POLIN, Kh.M., retsenzent;
IAGAR'KOV, N.I., red.; DOBRONRAVOVA, S.M., red.izd-ve; SALAZKOV, N.P.,
tekhn.red.

[Hydrological and water supply calculations in the exploitation of
reservoirs] Gidrologicheskie i vodokhoziaistvennye raschety pri
ekspluatatsii vodokhranilishch. Moskva, Izd-vo "Rechnoi transport,"
1957. 247 p. (MIRA 11:4)

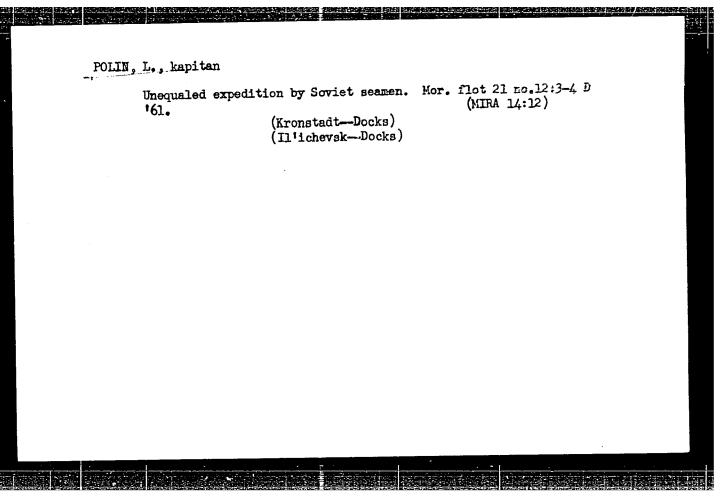
(Hydrology-Tables, calculations, etc.)



POLIN. L., kapitan dal'nego plavaniya.

Bringing a vessel into seagoing condition. Mor.flot 16 no.2:
9-11 F'56.

1. Hachal'nik Morskoy inspektsii Chernomorskogo parokhodstva,
(Ships--Maintenance and Repair)



FOLIN, Leonid Yevgen'yevich; BUKHANOVSKIY, I.L.; ANAN'IN, V.I., redaktor;

TIKHONOVA, Ye.A., tekhnicheskiy redaktor.

[Getting a ship off a sandbank without assistance] Sniatic sudna
s meli bes postoronnei pomoshchi. Moskva, Isd-vo "Morskoi transport,"
1954. 114 p.[Microfilm]

(MIRA 8:2)

(Havigation)

POLIN, Leonid Yevgen'yevich, kapitan dal'nego plavaniya; MESHKOV,
O.T., red.; USANCVA, N.B., tekhn. red.

[From the Baltic to the Rhack Sea; the towing of a floating dock]
Baltika - Chernoe more; peregon plavuchego doka. Moskva,
Izd-vo "Morskoi transport," 1963. 139 p. (MIRA 16:10)

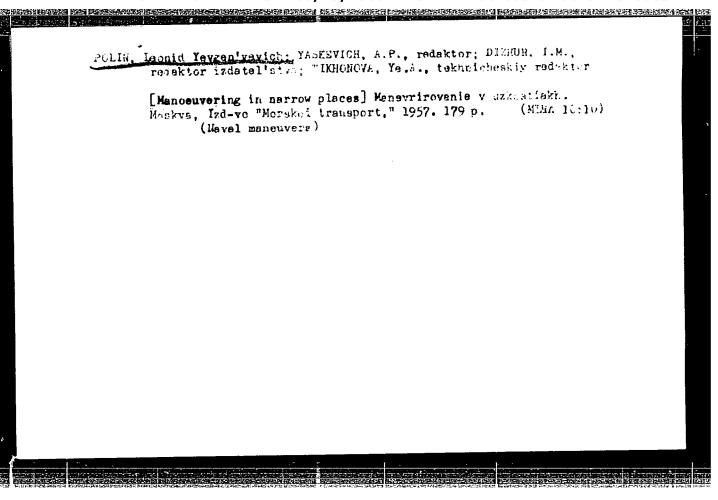
(Floating docks) (Towing)

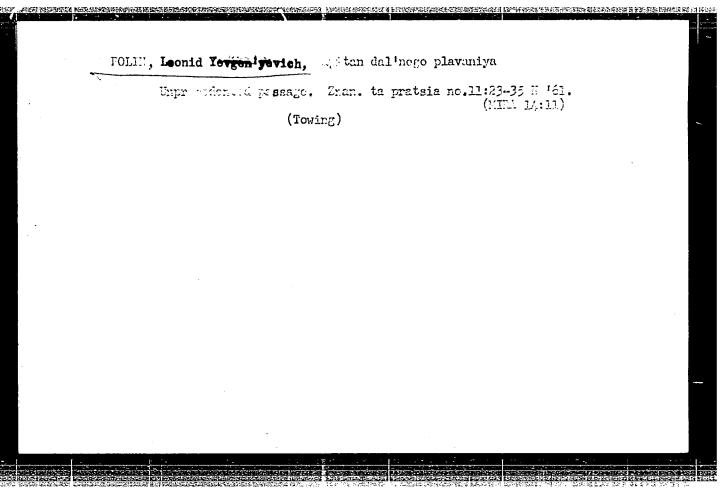
BUDDNIKOV, Konstantin Vasil'yevich; MOSKALENKO, Ivan Fedorovich; MIECHIN,
Mark Aronovich; POLIN, Leonid Yevgen'yevich; BUKHANOVSKIY, I.L.,
redaktor; IV/NOV, K.A., redaktor; TIKHCNOVA, Ye.A., tekhnicheskiy
redaktor

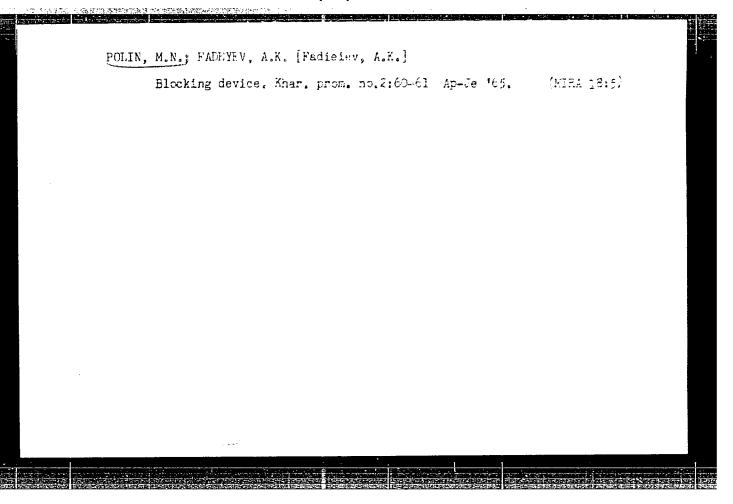
[Merchant seaman's manual] Uchebnoe posobie dlia matrosa morskogo
flota. Izd.4-oe, ispr. i dop. Moskva, Izd-vo "Morskoi transport,"
1955. 278 p.

(MIRA 9:1)

(Merchant seamen--Handbloks, manuals, etc.)

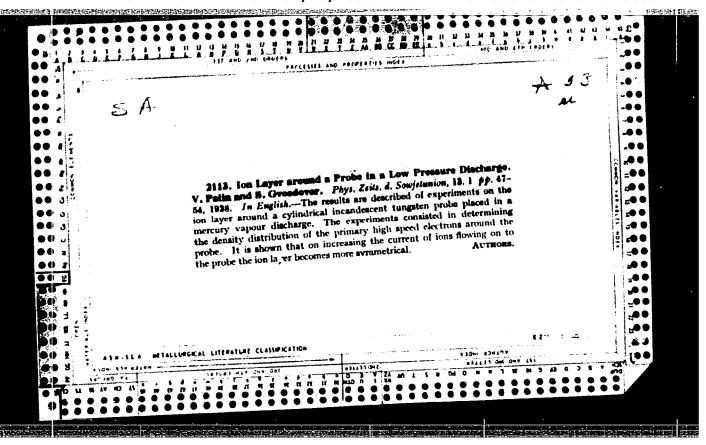


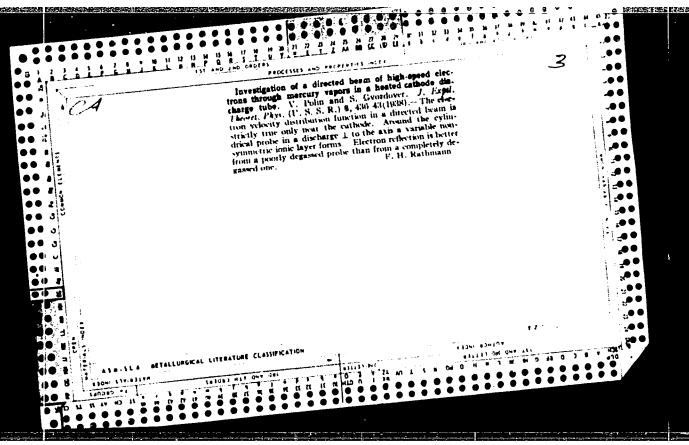




Double-cycle washing machine for three-liter glass containers. Kons.i ov.prom. 18 no.5:6-7 My '63. (MIRA 16:4)
1. Odesskiy konservnyy kombinat. (Glass containers—Cleaning)

•	Pneumatic s	queezer. Kh	nar.prom.	no.4:47-49	0-D 162.	(MIRA 16:1)
	1. Odesskiy	konservnyy	kombinat. (Canning	industry—E	Equipment a	nd supplies)
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ACC NR: AP6012119

SOURCE COLE: UR/0413/66/000/007/0033/0033

AUTHORS: Skalovoy, V. V.; Polin, Yo. L.

OF.G: none

TITIE: A digital following automatic compensator for measuring voltage pulses with the filtration of interference at the output of a tensometric bridge. Class 21, No. 180258

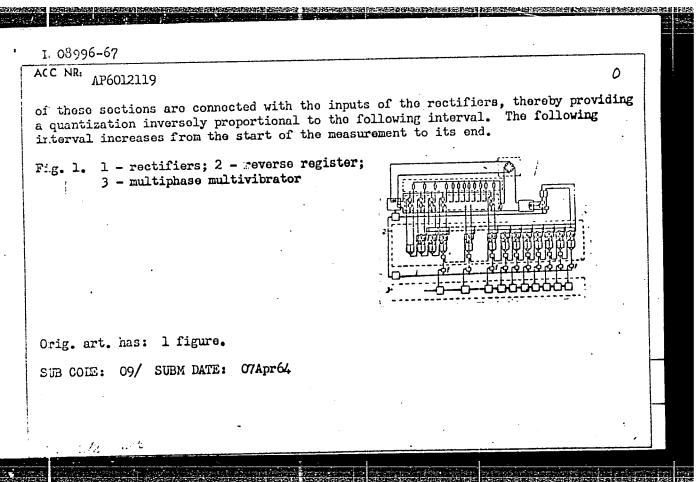
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 33

TOPIC TAGS: automatic regulation, voltage divider, pulse signal, electric measuring instrument, interference reduction, resistance bridge

ABSTRACT: This Author Cortificate presents a digital following automatic compensator for measuring voltage pulses with the filtration of interference at the output of a tensometric bridge. The bridge is fed from the automatic compensator. The unit includes a pulse supply generator, a parallel type divider using resistors. The dividor is switched by noncontact switches and controls the reverse trigger register, a comparison circuit, a sign trigger, and a cycle pulse generator (see Fig. 1). This design increases the response speed of the measurements and eliminates interference. The device includes rectifiers connected to the inputs of the triggers of the reverse register. Also included in the device is a multiphase multivibrator with a variable increasing output pulse duration in each of the subsequent sections. The outputs

Cord 1/2

UDC: 621.317.726



MARAKUSHEV, A.A.; POLIN, Yu.K.

Callium distribution in minerals of Archaean metamorphic rocks of the Aldan Shield. Geokhimia no.2:181-183 '61.

1. Geologicheskiy institut Dal'nevostochnogo filiala Sibirskogo otdeleniya AN SSSR, Vladivostok.

(Uchru Valley—Rocks, Crystalline and metamorphic)

(Gallium) (Isomorphism)

MARARUSHEV, A.A.; FOLIE, Yu.K.

Conditions determining the formation of white placeouling in describe merbles of the Aldan Shield. Gool. i jeedit. no. 8:73-61 '60. (NITA 14:2)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AM 135m. (Aldan Plateau-Phlogopite)

S/007/61/000/002/003/004 B107/B217

AUTHORS:

Marakushev, A. A., Polin, Yu. K.

TITLE:

Gallium distribution in minerals of archaic metamorphic

rocks of the Aldanskiy shield

PERIODICAL:

Geokhimiya, no. 2, 1961, 181-183

TEXT: The paper presents the results of a study of the gallium distribution in minerals of metamorphic rocks. Minerals in paragenesis were used for the gallium determination, i. e., minerals which had usually formed simultaneously and under equal conditions (pressure, temperature and chemism of the medium). It is therefore presumed that the observed gallium distribution is determined only by the crystallochemical properties of the minerals themselves. The principal purpose of this work was therefore to clarify the effect of these properties on the gallium distribution. Samples from the archaic complex of the Uchur basin were used. Samples of quartz- and orthoclase-containing rocks from a series of granitized crystalline schists and orthotectites, migmatites (almandine-biotite, sillimanite, almandine-biotite-hornblende rocks, etc.), and samples of quartz-free rocks formed by Card 1/8-

S/007/61/000/002/003/004 B107/B217

Gallium distribution ...

the displacement of dolomitic marbles (calcifite, spinel-diopside, phlogopite, magnetite rocks, etc.) were chosen. Gallium in the minerals was simultaneously determined by fluorescence and with rhodaline; the determination was carried out by the analyst V. D. Yeremeyeva in the laboratory of the Primorskoye geologicheskoye upravleniye (Primorskiy kray Geological Direction). Results are given in Tables 1 and 2. Complete silicate analyses were carried out for minerals of extremely complicated composition, such as almandine, biotite, and hornblende (Table 3); they were conducted by the analyst Blagina in the above-mentioned laboratory. The following empirical formulas were obtained from these analyses:

almandine $(Mg_{0.96}^{Fe}_{1.78}^{2+}Mn_{0.02}^{Ca}_{0.13}^{Fe}_{0.03}^{3+})$ $Fe_{0.02}^{3+}$ 1.98 $Si_{1.01}^{0}_{4}$ 3^{7} biotite $K_{0.89}^{Na}_{0.06}^{Ca}_{0.02}^{Ca}_{0.42}^{Ca}_{Fe}_{1.76}^{2+}$ $1.76^{Fe}_{0.24}^{3+}$ $1.33^{Al}_{0.10}^{O}_{0.10}^{OH}_{0.12}^{OH}_{0.12}^{OH}_{0.28}^{O}_{10}^{O$

Card 2/8

s/007/61/000/002/003/004 B107/B217

Gallium distribution ...

(Refs. 1, 3, 4) that gallium enters isomorphously into silicates for aluminum. It resembles the latter in ionic radius, $(Ga3+=0.62, A13+\neq 0.57)$, in electronegativity (Ga = 1.6, Al = 1.5), and in some other properties. Therefore, it is interesting to consider the distribution of gallium and aluminum in this connection. Data are given in Table 4 for the following samples: 84 (biotite, orthoclase, hornblende), 34 A(Almandine), and 679 (muscovite). The results allow the following conclusions to be drawn: (1) Aluminum in stratified minerals (mica) is most easily replaced by gallium. These minerals are therefore gallium concentrators; this holds for other fields as well (Ref. 1). (2) Replacement largely depends on the coordination number of aluminum. Aluminum with the coordination number 4 is much more easily replaced by gallium than aluminum with the coordination number 6. The gallium/ aluminum ratio in biotite having aluminum with the coordination number 4 is almost twice as high as in muscovite, where aluminum with the coordination number of 6 prevails. This peculiarity also explains the high gallium content in orthoclase compared with almandine, although orthoclase is poor in aluminum compared with almandine. This important isomorphism law of gallium is determined by its more acid properties (Refs. 2, 3,); the electronegativity of gallium is higher than that of aluminum $(X_{A1} = 1.5)$. In this connection, card_3/8.

S/007/61/000/002/003/004 B107/B217

Callium distribution ...

gallium is, a link between aluminum and silicon (X = 1.8). This explains also its tendency toward entering into the "acid" silicate radicals, where aluminum replaces silicon in the oxygen tetrahedra. (3) The replacement of aluminum by gallium also takes place in oxides, e.g., in spinel, where the gallium content reaches 110 g/t (Table 2). (4) Not only aluminum but also iron is isomorphously replaced by gallium, e.g., in magnetite. Simultaneously, gallium lacks in pyrite, which is associated with gallium-containing magnetite (Table 2). This is probably due to the fact that gallium, owing to its similar valence and ionic radius, replaces mainly trivalent iron.

[Abstractor's note: Complete translation]. There are 4 tables and 4 references: 2 Soviet-bloc. The two references to English-language publications read as follows: Ref. 3: W. S. Fyfe. Amer. Miner., 36, 7/8, 1951. Ref. 4: V. M. Goldschmidt, "Geochemistry", Oxford, Clarendon Press, 1954.

ASSOCIATION: Geologicheskiy institut Dal'nevostochnogo filiala Sibirskogo otdeleniya AN SSSR, Vladivostok (Geological Institute of the Soviet Far East Branch of the Academy of Sciences USSR, Vladivostok)

Card 4/8

LENNIKOV, A.M.; POLIN, Yu.K.; LEBEDEV, Yu.A.

Some results of using the decrepitation method. Soob.DYFAN SSSR no.12:25-30 '60. (MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo otdeleniya AN SSSR. (Heat of formation) (Minerals)

MARAKUSHEV, A.A.; POLIN, Yu.K.

Eclogitic crystalline schists in Pre-Cambrian metamorphic complexes and conditions governing their formation. Geol.i

geofiz. no.1:3-20 '62.

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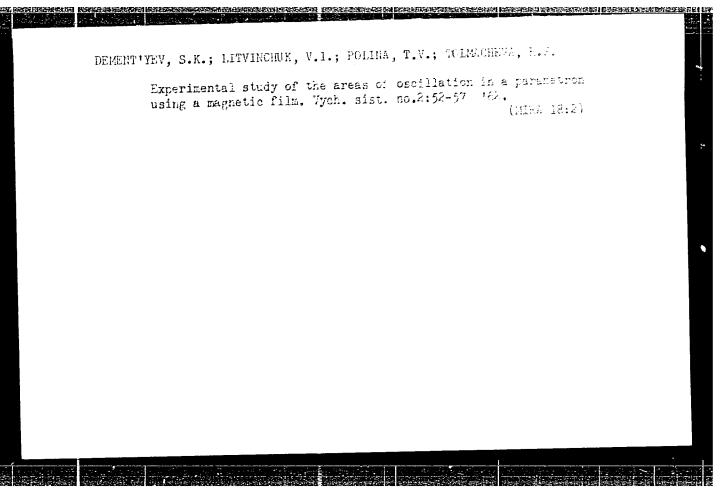
(MIRA 15:4)

1. Geologicheskiy institut Dal'nevostochnogo filiala Sibirskogo otdeleniya AM SSSR, Vladivostok.

(Aldan Plateau--Eclogite) (Korea, North--Eclogite)

DEMENT'YEV, S.K.; POLINA, T.V.

Broadening of the range of parametric oscillations by means of a transient process. Vych. sist. no.2:37-42 'c2. (MIRA 18:2)



CIA-RDP86-00513R001341810009-4 "APPROVED FOR RELEASE: 06/15/2000

AFFTC/ASD EWP(q)/EWT(m)/BDS L 19324-63

5/0271/63/000/007/3037/3037

AR3005871 ACCESSION NR:

SOURCE: RZh. Avtomatika, telemekhanika i vyochislitelinaya tekhnika, Abs. 7 B190

AUTHOR: Dement'yev, S. K.; Litvinchuk, V. I.; Polina, T. V.; Tolmacheva, R. F.

TITE: An experimental investigation of oscillating regions in a magnetic film parametron

CITED SOURCE: Sb. Vy*chisl. sistemy*. Vy*p. 2. Novosibirsk, 1962, 52-57

TOPIC TAGS: parametron, computer component

TRANSLATION: The parametrons investigated here consisted of a circular Permalloy film with a diameter of 1 cm deposited on a glass base layer with dimensions $18 \times 18 \times 0.1$ mm; a one-layer inductive winding (10 turns of 0.09 mm wire) wound on a frame with a cross section of 35 x 1.4 mm; also a capacitor with a capacitance of 2100 micro-microfarads. The parametrons were placed in a cavity between two buses which set up the inductance of the power supply circuit; the circuit was adjusted to resonance by means of the capacitor. The permanent and variable magnetic fields. set up by corresponding currents in the power buses were directed along the axis of easy magnetization of the films. In the experiments the parametron film was

Card . 1/2

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L 19:124-63

ACCESSION NR: AR3005871

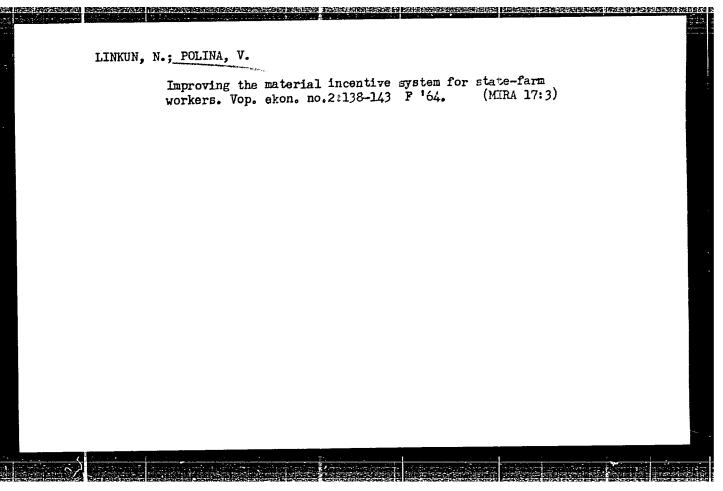
subjected to the action of a variable field with a frequency of 2f = 4.8 mc, the amplitude of which was modulated by a frequency of 50 cps. The value of the permanent field acting on the film along with the variable field could be changed. A total of 27 films were studied; 24 films with thickness somewhat greater than 1500 Å produced parametric oscillations with frequency f. As shown by results from measurements, oscillations existed when there were changes in the amplitude of the variable field of $\pm 20\%$ as compared with the average value, and when there were changes of $\pm 45\%$ in the permanent field; a noticeable decrease in parametric oscillating regions occurred with a change of 6% in the power frequency from the resonance frequency corresponding to the maximum oscillating region. There are six illustrations. G. V.

DATE ACQ: 15Aug63

SUB CODE: GE. CP

ENCL: 00

Card 2/2



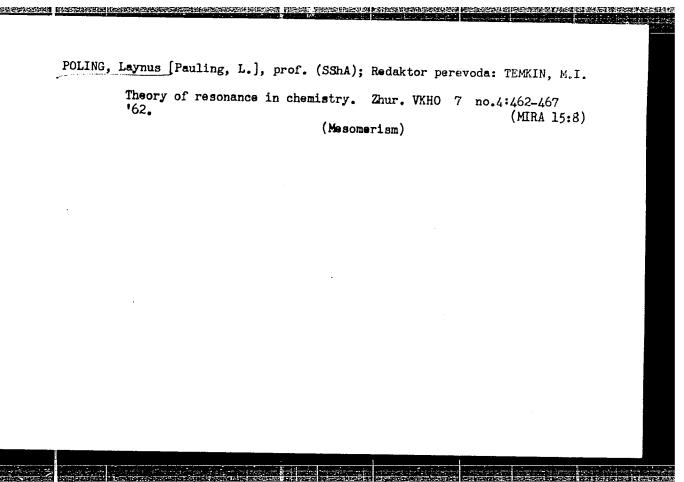
POLINA, Valentina Ivanovna, kand. ekon. nauk; SHULEYKIN, P.A., red.

[Labor and wages] Trud i ego oplata. Moskva, Izd-vo "Znanie," 1965. 85 p. (Narodnyi universitet: Sel'sko-khoziaistvennyi fakul'tet, no.6) (MIRA 18:8)

POLINCZKY, K.; HALASZY, J.

Chemical laboratories, II. p. 261. Examination of the structure of proteins; remarks by Ferenc Guba and others. p. 265. Vol. 11, No. 9 Sept. 1956. MAGYAR KEMIKUSOK LAPJA. Budapest Hungary.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1 Januaru 1956.



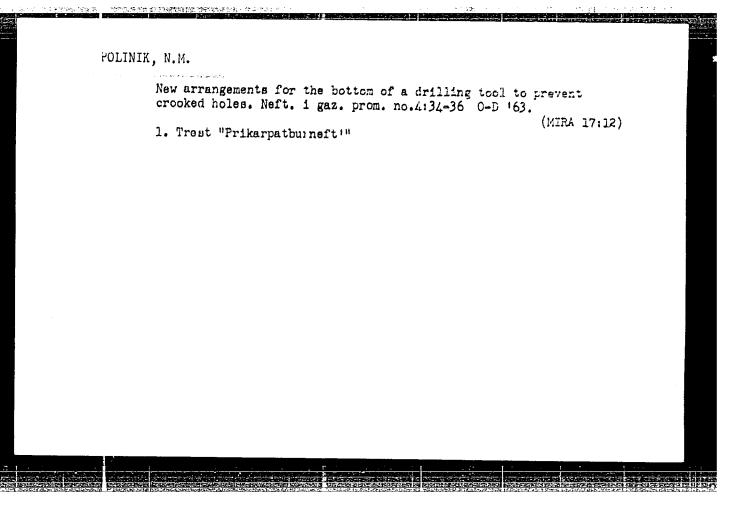
POLIMER, A.

TECHNOLOGY

Periodical: REVISTA INFUSTRIEI ALEMETARE. PRODUCE VEGETALE. No. 4, 1958.

POLIMER, A. Great possiblilities in the school year 1958/59 for young people qualified for professions used in subdivisions of the consumer-goods industry. p. 16.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.



ROZENGART, M.I.; POLKOVNIKOV, B.D.; POLININ, V.L.; TABER, A.M.; GITIS, K.M.

Aromatizing capacity of boride catalysts of platimum group metals. Izv. AN SSSR. Ser. khim. no.5:919-922 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

VITT, S.V.; BONDAREV, V.B.; POLININ, V.L.

Separation of close-boiling mixtures on a capillary chromatograph

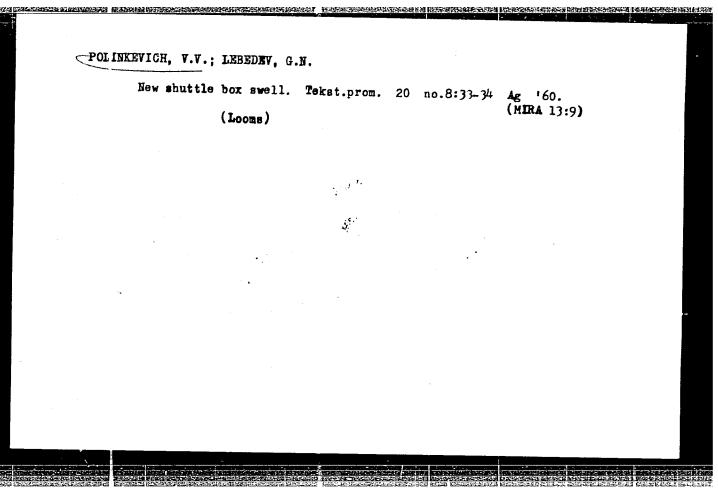
with flame-fonization detection. Izv. AN SSSR. Ser. Khim. no.7: 1145-1150 J1 '64. (MIRA 17:8)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

VITT, S.V.; BONDAREV, V.B.; POLININ, V.L.; ROZENGART, M.I.

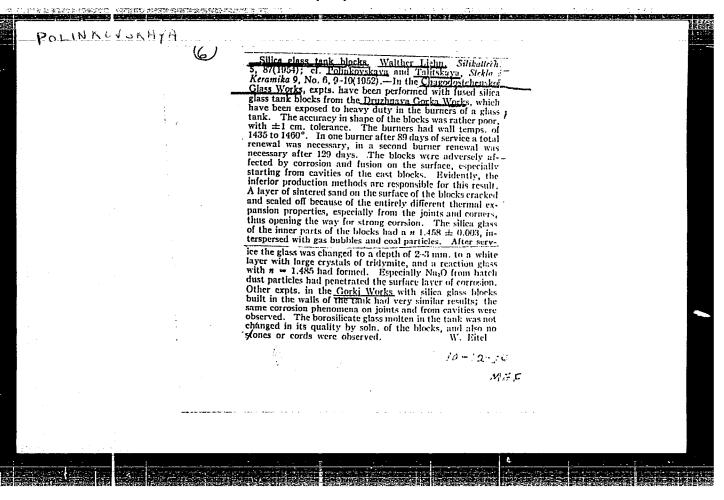
Determination of xylene isomers in complex hydrocarbon mixtures by capillary gas-liquid chromatography. Izv. AN SSSR. Ser. khim. no.11:2043-2045 N '63. (MIRA 17:1)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.



"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341810009-4



POLINKONSKA, A.

Taslicka, K.; Polinkowska, A.

"The use of silicates as fireproof material for the manufacture of bathtubs. Tr. from the Russian", p. 43 (Szkle I Ceramika. Vol. 4, no. 2, Feb. 1953, Warszawa)

AND THE PROPERTY OF THE PROPER

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress,
March 1954, Uncl.

PEISIYANOV, A., inzh.; FARBER, B., inzh.; POLINKOVSKAYA, A., kand.tekhn.nauk

The quality of keramzit "sand" is improving. Na stroi. Ros. 3 no.2:
26-27 F 162.

(Keramzit)

PETROV, V.P., doktor geologo-mineralogicheskikh nauk; NASEDKIN, V.V., inzh.pgeolog; POLINKOVSKAYA, A.I., kænd. tekhm. nauk

Distribution of perlites on the territory of the U.S.S.R.; their geological characteristics and technological properties. Sbor. trud. ROSNIIMS no.25:6-18 162 (MIRA 17:8)

PCLINKOVSKAYA, A.I., kand. tekim. nauk; CHERNOVA, O.A., inzh.; AHRAMOV, I.Ya. inzh.

Producing expanded perlite in furnaces with fluidized beds. Sbor trud. ROSNIIMS no.25:62-71 162 (MIRA 17:8)

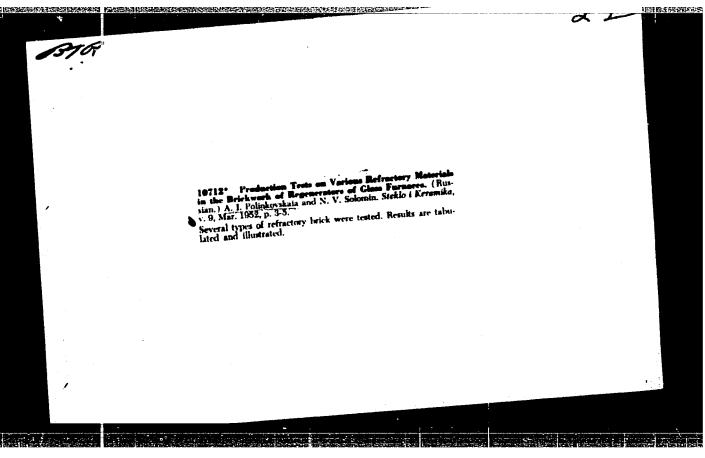
POLINKOVSKAYA, A.I., kend. tekhm. nauk; MANUYLOVA, N.S., kend. khir. nauk; SERGEYEV, N.I., inzh.

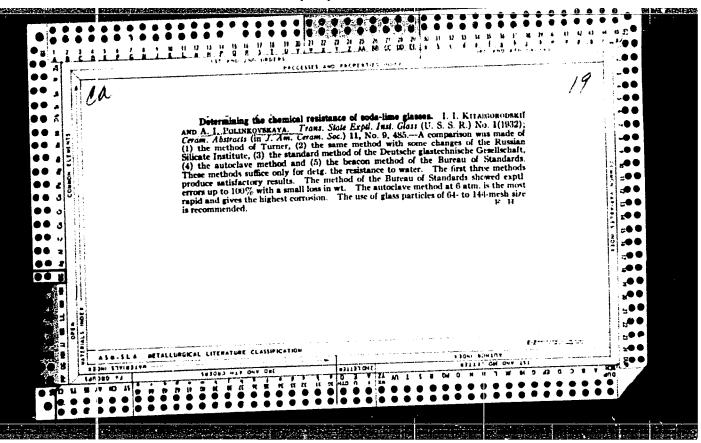
Service life of the linings of rotary kilns for expanded perlite. Shor. trud. ROSNIIMS no.25:105-119 '62 (MIRA 17:8)

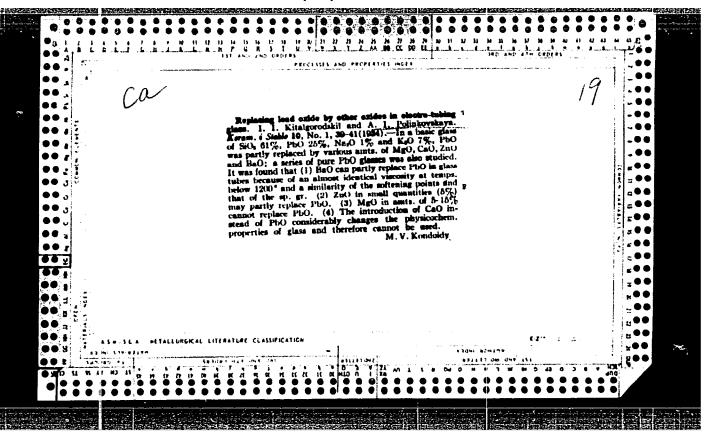
VCLAROVICH, M.P.; POLINKOVSKAYA, A.I.; YAVITS, I.N.

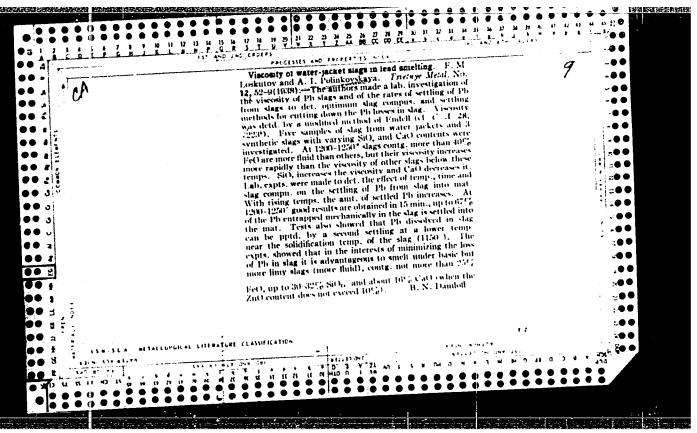
Blistering of water-containing vulcanic glasses (perlites) studied by motion-picture photography. Koll.zhur. 25 no.5:512-514 S-0 '63. (MIRA 16:10)

1. Respublikanskiy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov, Moskva.









POLINKOVSKAYA, A.I., kand.tekhn.nauk; STRIZHEVSKIY, M.V.

Mastering the production of expanded perlite. Sbor.trud.
ROSNIIMS no.19:66-74 *61. (MIRA 16:1)

1. Glavnyy inzh. tresta "Irkutskalyuminstroy".
(Perlite (Mineral))

BUDNIKOV, P.P.; VOLAROVICH, M.P.; POLINKOVSKAYA, A.I.; YAVITS, I.N.

Study of the character of the expansion of some types of volcanic, hydrated glass by means of motion-picture filming.

Stroi.mat. 9 no.3:31-33 Mr '53. (MIRA 16:4)

(Perlite (Mineral)) (Motion-picture photography)

POLUKOVSKAYA, A.I., kand.tekhn.mauk; BENUNI, A.A., kand.tekhn.mauk;
FETRIKHINA, G.A., inzh.

The problem of the technology of obtaining keramzit "hand."
(MIRA 16:1)
Sbor.trud.ROSNIIMS no.19:113-127 '61.
(Keramzit)

POLINKOVSKAYA, A. I.

USSR/Refrictory Materials

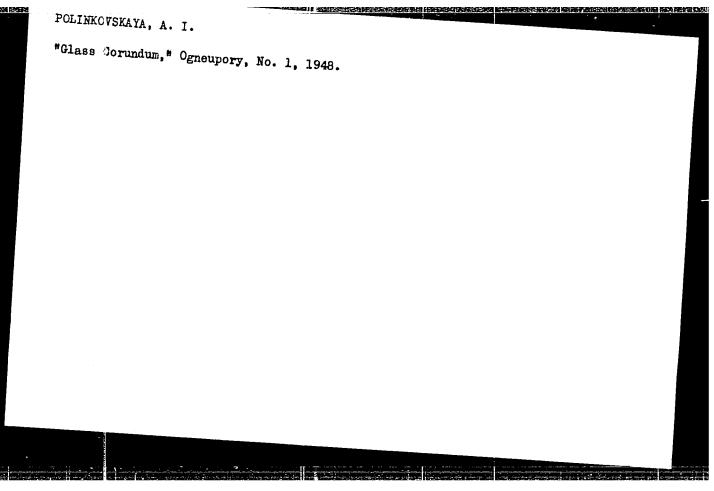
Aug 1947

"'Steklokorund' -- A New High Refractory Material," Prof I. I. Kitaygorodskiy, N. V. Solomin, A. I. Polinkovskaya, S. F. Volchanov, 2 pp

"Legkaya Promyshlennost" Vol VII, No 8

Technical description of new refractory material (steklokorund) including properties of the material, ingredients, etc.

PA 18T26



POLINKOVSKA!A. A. I.

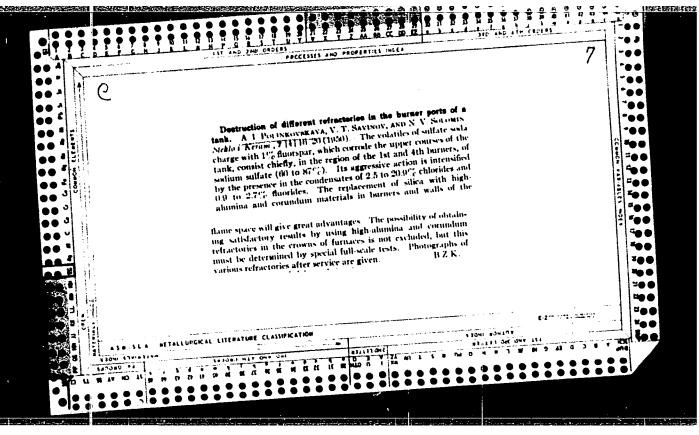
Glass corundum. I. I. KITAIGORODSKII, N. V. SOLOMIN, A. I. S. F. VCICHANOV. Ogneupory, 13 [1] 22-25 (1948).- In the laboratory, technical alumina was mixed with 1% ZnO and fired to 1450°C. to insure maximum transformation of Y-alumina to a-alumina prior to mixing the charge. Organic binder (not specified) and water were added to the charge in amounts required for semidry ramming (hand and pneumatic), and the bars were fired at 1460° to 1590°. For comparison, bars were prepared from 77% Chasov Yar clay grog and 23% Chasov Yar binding clay. Compared with the multigrog product, the glass corundum had a firing shrinkage 7 to 8 times as large, an apparent porosity 2 to 3 times as large, and a resistance to sulfate liquors 12 to 23 times as great. Sulfite-cellulose extract is recommended as a plasticizer because of its slow decomposition within a wide temperature range. The firing shrinkage was considerably improved by firing a portion of the charge in the form of briquettes, grinding the briquettes, and adding the glasscement grog in amounts of 50 to 86% to the original charge. On a commercial scale, use was made of technical alumina analyzing not less than 97.3% Al₂O₂, not over 0.4% SiO2, not over 0.06% Fe2O3, not over 0.7% Na2O, and ignition loss about 1.5%. As a glass binder, cullet of ordinary composition was used. Bars were prepared by pneumatic ramming. Air shrinkage was less than 1%. Products were fired for ten days and held for 24 hr. at a maximum temperature of 1500° to 1520°C. The properties were better than those of lacoratory specimens; bulk specific gravity was 3.05, and apparent porosity was about 14%.

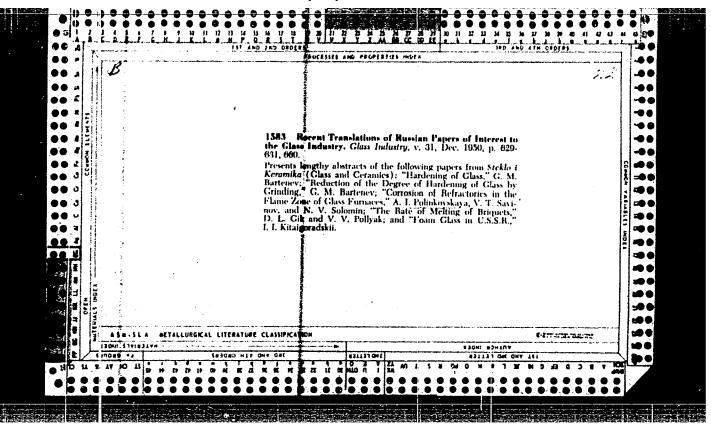
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POLITEONSMATI, A. I.

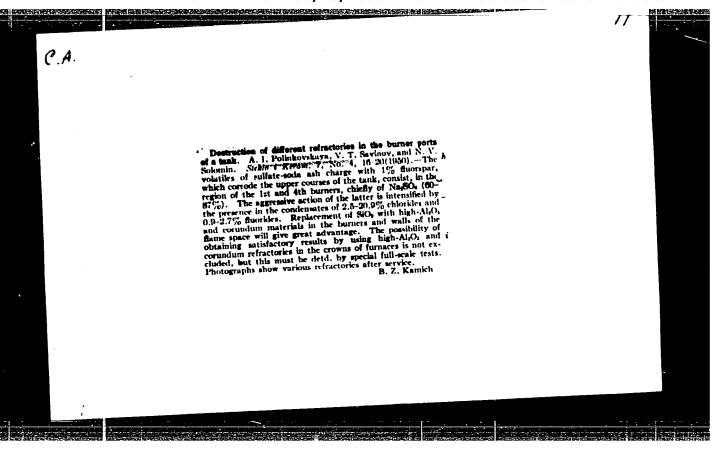
21811 SOLOME, M. V. i POLITEONSMAYA, L. I.

Ostat'ye prof. V. V. Goncharova ("C steklokeramike kak ogneupornom materiale". Zhurn. "Ogneupory", 1949, M. 4.) Ogneupory", 1949, M. 6, s. 232.

SC: Letopis' Zhurnal'nykh Statey, Mo. 29, Moskva, 1949
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POLINICUSTAYA, A. I.; SCLOTIN, N. V.

Fire-Brick

Industrial testing of various refractory materials in the regenerator chekerwork of a tank glass melting furnace., Stek. i ker., 9, no. 3, 1952.

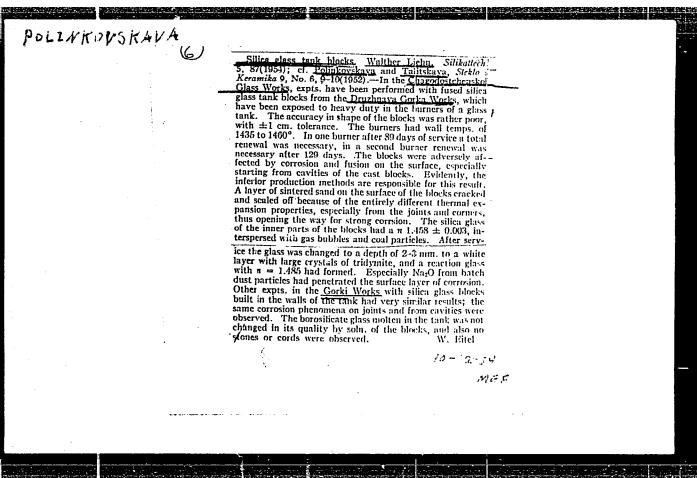
Monthly List of Russian Accessions. Library of Congress, May 1952. UNCLASSIFIED.

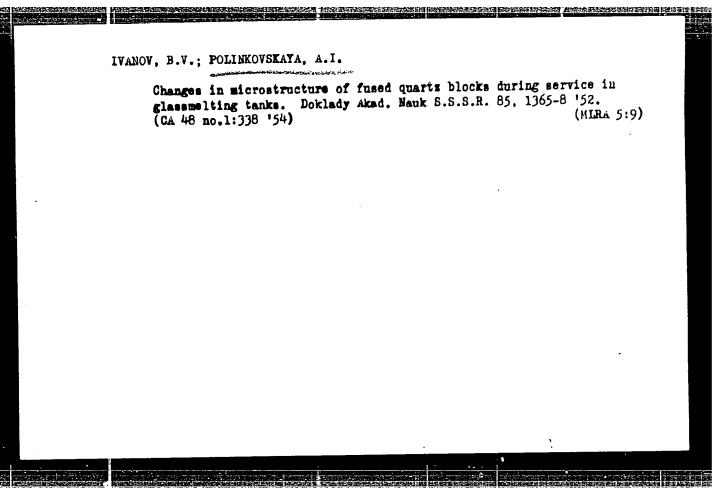
POLINKOVIKAYA, A. I., TASLITSKAYA, M. G.

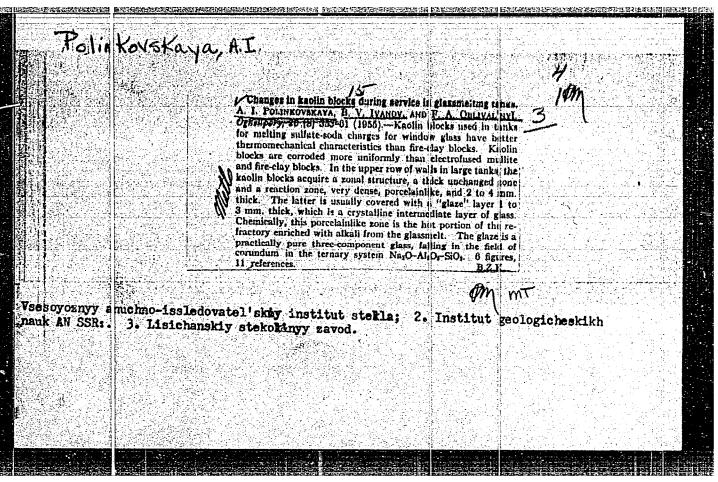
Refractory Materials.

Performance of quartz glass blocks, Stek. i ker., 9, no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 195% Uncl.







307/131-58-7-5/14 AUTHORS: Ivanov, B. V., Polinkovskaya, A. I.

On the Performance of Refractories of High Clay Contentin the Crown TITLE:

of the Regemenator of a Glass Furnace (O sluzhbe vysokoglino-

zemistogo ogneupora v nasadke regeneratora steklovarennov pechi)

Ogneupory, 1958, Nr 7, pp 307 - 312 (USSR) PERIODICAL:

At the Lisichansk glass factory an experiment with a small charge ABSTRACT:

of bricks of high clay content for CTOWNS was carried out. These bricks were produced in the factory and broken bricks of

65.6-69.5% Al₂0₃ content were used in the place of chanotte. 25%

clay of the Drazkkowkie deposit was introduced as a binder. The finished brick of a size of 250 x 120 x 65 mm contained_60-62%

Al₂O₃ on the average, had a volume weight of 2.38 g/cm³ and

an apparent porosity of 19.2%. These bricks were tested in the srown of the regenerator of the shift furnace "Dupleks" (Fig 1). The bricks containing a high percentage of clay (Fig 2) and the

chamotte bricks (Fig 3) were investigated after the furnace the former showing much less wear. Another 5 bricks of

the crown were investigated and described in detail. Figure 4 Card 1/3

On the Performance of Refractories of The Clay Contern 307/131-58-7-5/14 in the Grewn of the Regenerator of a Glass

shows the contact of the hot percelain-type zone with the reaction crust of a brick of high clay content. The chemical analyses of the individual zones of these bricks after their working in the creware shown in the table. Figure 5 shows the contact of three layers of the reaction crust of the second sample, and figure 6 shows its microstructure. Conclusions:

1.- The refractories with a high clay content are less corroded in the structure of the regenerators of a shift furnace than those made of chamotte.

2.- The swelling of the bricks in single cases as well as the splintering off of their surfaces are to be considered negative phenomena.

3.- The experimental material at hand is assumed to be insufficient to draw final conclusions from it. It is recommended to carry out further experiments. There are 6 figures, 1 table, and 6 references, 3 of which are Soviet.

Card 2/3

On the Performance of Refractories of High Clay Content SOV/131-58-7-5/14 in the Crown of the Regenerator of an Glass Furnace

ASSOCIATION: Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR (Institute of the Geology of Ore Deposits, of Petrography, Mineralogy and Geochemistry, AS USSR) Gosudarstvennyy institut stekla (State Institute of Glass)

1. Ceramic materials--Processing 2. Ceramic materials--USSR

Card 3/3

SOV/20-122-2-35 4-

AUTHORS:

Budnikev, P. P., Corresponding Member, Academy of Sciences.

USSR, Polinkovskaya, A. I.

TITLE: -

Involvingation of Volcanic Mater-Containing Classes and of Their Bulging Products (Issledovaniye vulkanicheskikh vodusoderzoash-

chish ...ekol i produktov ish vspuchivaniya)

PERICDICAL:

Doklady Arademii nauk SSSR, 1958, Vol 122, Nr 2, pp 289-292

(USSR)

ABSTHACT:

In recent years the problem of light porous materials has gained more and more importance in the field of engineering and political economy. Among the natural materials which can be used for the manufacture of products of little weight, the kinds of glass mentioned in the title: Obsidians, pitchestones, and pearlites are bound to gain great importance. Such deposits are extensive in the USSR. A short survey of publications

Refs (-7) is given. The volcanic water-containing rocks increase their volume considerably at the burning at high temperatures. Their structure becomes numiceous and they may serve as fillers of heat-isolating and light concretes, further as

as fillers of heat-isolating and light concretes, further an thermo- and sound-isolating coatings. The present investigations

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Investigation of Volcanic Water-Containing Glasses and of Seet Bulging of our nets

deal with the pearlife-rocks of some deposits in the recific Begion (Primorskiy kray), which were explored by the Primorskove geologicheskove upravienive Pracific Geological Administration): Bogosel'skepe betaut. District of have recoveriy, then the Waldzoverry section of the Sereigeverry Deposit. District of cartinossiv. factors a and 2 snow tochemical composition that the appropriates of none numbers. perphyry structure on charerises the Bogopoliskiye pearsties imicroanalysis curried out by N. I. Manuylova). Quartz. plagiociase. potensium-relesper, and some other minerals are inseminated in their citroous mass (rig (a). The Malozevskiy pearlite has a pearlite-fluidal structure. It differs from other samples by the presence of a number of spherulite-like inseminations of a certain mineral with a rather high double refraction. In this case feldspar, i.e. kinds of orthoclass and plagicciare, is instantated. The pearlise rocks contain water, which is removed at certain intervals. Table 2 shows the endothermic and exothermic effects at heating between 100 and 900° . Under normal pressure and in damp surroundings park of

JOV.

120 d. f

SOV/20-122-2-15-42 Investigation of Volcanic Water-Containing Glasses and of Their Bulging Fromucts

> the lost water is absorbed again by pearlite. At heating up to 1000° the pearlite looses its hygroscopicity, and its water content amounts only to 0,034 per cent (Tab 3). This proves that the water in pearlite is bound in different ways. This corresponds to the data in the infrared part of the spectrum (Ref 8). Finally the procedure of a bulded pearlite, chemical analyses and its microstructure are discussed (Fig 1v). There are 4 figures, 2 tables, and 8 references, 5 of which are Soviet.

ASSOCIATION:

Moskovskiy institut mestnykh stroitel nykh materialov (Moscow

Institute for Local Building Materials)

SUBMITTED:

March 12, 1958

Card 3/3

S/081/61/000/024/059/086 B149/B102

AUTHORS: Polinkovskaya, A. I., Petrikhina, G. A., Spivak, N. Ya.

TITLE: Hollow ceramic aggregate for light concretes

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 368, abstract 24K350 (Sb. tr. Resp. n.-i. in-ta mestnykh stroit. materialov

(RSFSR), no. 16, 1959, 76 - 89)

TEXT: A description is given of the manufacturing technology of the hollow ceramic aggregate for light concretes, based on clayey raw materials of I and II plasticity class. The study of the influence of aggregate shapes on concrete's volume weight showed that the minimum volume weight and maximum percentage of voids occur when the aggregate is in tetrahedron shape. With the use of hollow ceramic aggregate it is possible to produce heat-insulating concrete with large pores having volume weights of $515 - 750 \text{ kg/m}^3$, and a strength of 26 kg/cm^2 . [Abstracter's note: Complete translation.]

Card 1/1

BUDNIKOV, P.P., akademik; POLINKOVSKAYA, A.I., kand.tekhn.nauk

Using perlites in making lightweight aggregates. Stroi.mat.
(HIRA 12:5)

1. AN USSR, chlen-korrespondent AN SSSR (for Budnikov).
(Ferlite (Mineral)) (Lightweight concrete)

BUDNIKOV, P.P., akademik; POLINKOVSKATA, A.I., kand.tekhn.nauk;
BERUMI, A.A., inzh.; PETRIKHIMA, G.A., inzh.

Expanding clays and volcanic rocks in the fluidized bed.
Stroi.mat. 5 no.9:31-33 S '59. (MIRA 12:12)

1. AN USSR, chlen-korrespondent AN SSSR (for Budnikov).

(Building materials) (Fluidization)

MANUYLOVA, N.S.; NASEDKIN, V.V.; PETROV, V.P.; POLINKOVSKAYA, A.I.

Petregraphy and practical importance of perlites from the MukhorTala deposit (Buryat A.S.S.R.). Trudy IGEM no.48:17-26 '61.

(MIRA 15:1)

(Mukhor-Tala region--Perlite (Mineral))

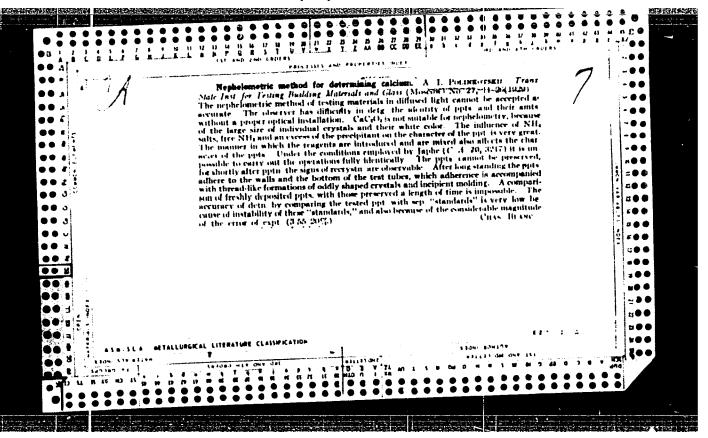
BUDNIKOV, P.P.; ZHUKOV, A.V.; KAMENETSKIY, S.P.; POLINKOVSKAYA, A.I.;
STRIZHEVSKIY, M.V.

Light and superlight articles based on perlite are introduced into mass construction. Stroi.mat. 7 no.8:8-15 Ag '61.

(MIRA 14:8)

(Perlite (Mineral)) (Lightweight concrete)

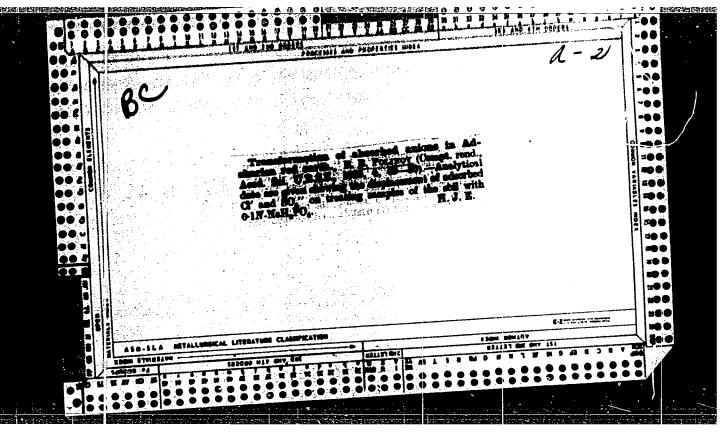
(Precast concrete construction)

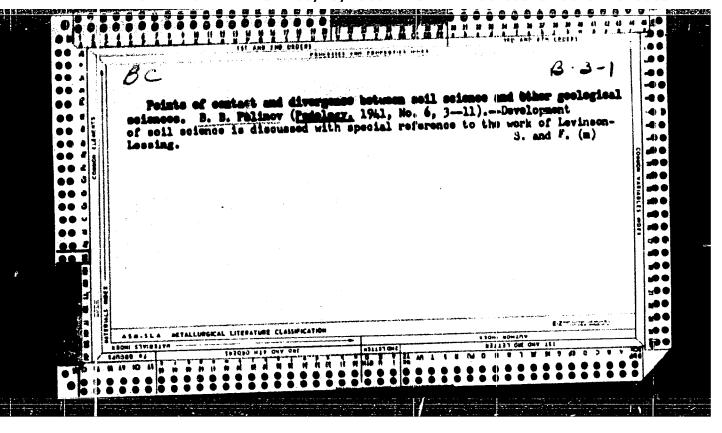


"Relation between chemical structure and biological activity of Gramicidin's derivatives."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Unity of Moscow.





ZAKHIDOV, A.Z.; POLINOV, S.A.

Covering peak loads in the unified Central Asian electric power system. Izv. AN Uz. SSR. Ser. tekh. nauk 7 no.4:77-80 '63. (MIRA 16:11)

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PCLINOV, S. A.

Cand Tech Sci - (diss) "Problems of the power-economics calculations for conditions of electric pump irrigation." Tashkent, 1961. 23 pp; (Academy of Sciences Uzbek SSR, Inst of Water Problems and Hydraulics); 170 copies; price not given; (KL, 6-61 sup, 2022)

223)